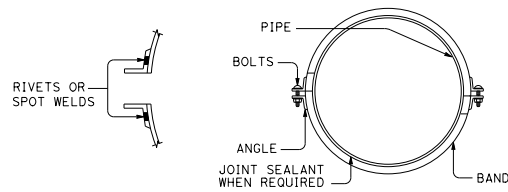
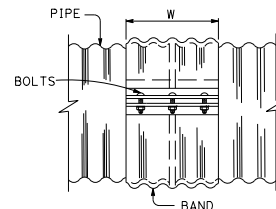


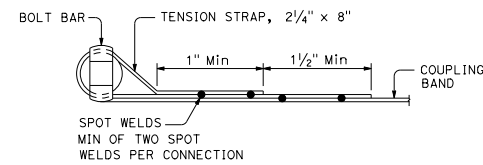
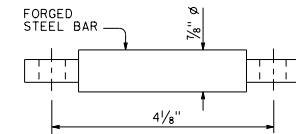
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER May 31, 2018 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
Bruce D. Swanger No. C61257 Exp. 6-30-19 CIVIL STATE OF CALIFORNIA					



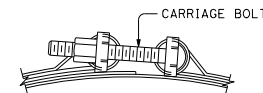
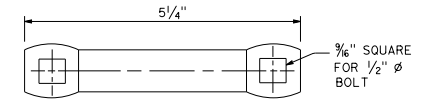
END VIEW



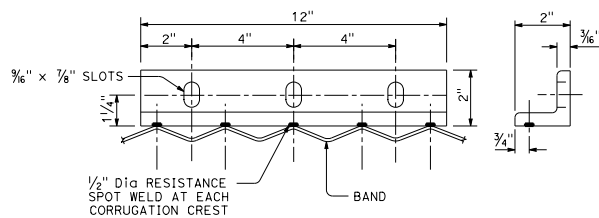
SIDE VIEW

ANNULAR BANDSTRAP DETAIL

TOP VIEW

BOLT DETAILLEFT SIDE  
VIEW

FRONT VIEW

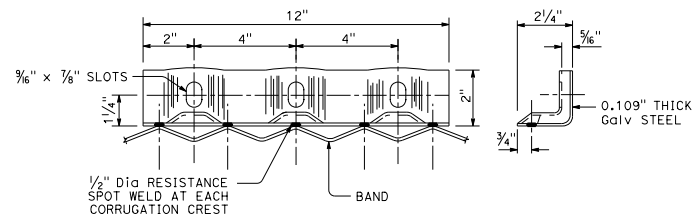
BAR DETAILBAR AND STRAP CONNECTOR

SIDE VIEW

END VIEW

2" x 2" x 3/16" ANGLE

See tables on Standard Plans D97E, D97F and D97G for width, W=12" shown.

ANGLE CONNECTORS

SIDE VIEW

END VIEW

DIE-FORMED ANGLE

See tables on Standard Plans D97E and D97G for width, W=12" shown.  
Alternate only for standard joints on pipes through 72" diameter and downdrains through 24" diameter.

NOTES:

1. All ferrous metal coupling band connection hardware shall be galvanized or electroplated in accordance with the Standard Specifications.
2. Dimensions and thicknesses shown are minimum.
3. Spot welds shall develop minimum required strength of strap.
4. Fillet welds of equivalent strength may be substituted for spot welds or rivets.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**CORRUGATED METAL PIPE  
COUPLING DETAILS No. 1  
ANNULAR COUPLING BAND BAR  
AND STRAP AND  
ANGLE CONNECTIONS**

NO SCALE

**D97A**